Adarsh Raj

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Education

Sri Krishna Institute Of Technology, Banglore   2021 - 2025
- Bachelor of Technology, **Computer Science and Engineering, 8.3 CGPA**.

Tulsi Vidya Niketan, Varanasi   2018 - 2020
- Senior Secondary School, 73.8%.

Technical Skills

Languages: Java, Python, HTML, CSS, Bootstrap, JavaScript, SQL
Others: ReactJs, ExpressJs, Flask, MySQL, MongoDb
Software Tools: Git, GitHub, VS Code, Postman, Pycharm, Intellij

Experience

Project Intern, Kennametal
- Developed a Pricing Tool (React + Vite, Node.js, Express, MongoDB) for accurate cost estimation of mechanical products based on material, margin percentages, operations, and different grades.
- Developed **15+ RESTful APIs using Node.js and Express.js**, optimizing data processing and **security, and improving system performance**.
- Implemented a Admin-Client dashboard for dynamic product and operation cost management, ensuring streamlined data updates and display real-time pricing and secured data with encrypted authentication.

Projects

Real time Chat Application
- Designed and developed a real-time chat application **leveraging Socket.IO and ReactJs** for seamless bidirectional communication and real-time messaging.
- Implemented user registration and log-in functionalities using **(JWT) JSON Web Tokens** for secure session management and data protection.
- Tech Stack: React.js, Context API, Socket.io, Node.js, MongoDB.

Movies Explorer
- Built a movie database app with **Flask and SQLAlchemy, implementing RESTful routes** for managing a movie database, including features for adding, editing, and deleting movies.
- Using SQLAlchemy for ORM to interact with a SQLite database, enabling efficient data storage and retrieval for movie records, including attributes such as title, year, rating, and reviews.
- Tech Stack: Flask, SQLAlchemy, Python, HTML, API Integration.

Document Merger
- Developed a **Flask** web application to upload and merge multiple Word documents while preserving formatting, headers, and footers.
- Using **Python-docx** for document manipulation and optimized merging logic to maintain structured content, including tables and images.
- Enhanced user experience by providing downloadable merged documents.

Achievements

- Completed over **200+ problems** on **LeetCode** and 150+ from GFG, Code Studio, InterviewBit . *link*
- Completed web development bootcamp. (Udemy Course) *link*
- The 100 days code: The Complete Python Pro bootcamp. (Udemy Course) *link*
- Attended HACK-A-LEAGUE hackathon At global Technologies.